



Sequence logo showing nucleotide conservation across the gene. The y-axis represents information content in bits, with a maximum of 1.5 bits. The x-axis shows positions from 1 to 1762. The logo highlights conserved regions, particularly around positions 100-200 and 1000-1100.

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☐ 1: E36418. Raffinose synthas...[gi:13019216]

Links

LOCUS E36418 1762 bp DNA linear PAT 18-JUN-2001
DEFINITION Raffinose synthase gene.
ACCESSION E36418
VERSION E36418.1 GI:13019216
KEYWORDS JP 2000014389-A/2.
SOURCE Brassica napus (rape)
ORGANISM Brassica napus
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Brassica.
REFERENCE 1 (bases 1 to 1762)
AUTHORS Eijiro,W. and Kenji,O.
TITLE Raffinose synthase gene
JOURNAL Patent: JP 2000014389-A 2 18-JAN-2000;
SUMITOMO CHEM CO LTD
COMMENT OS Brassica napus
PN JP 2000014389-A/2
PD 18-JAN-2000
PF 10-DEC-1998 JP 1998351246
PR
PI EIJIRO WATANABE,KENJI OEDA
PC C12N15/09,A01H5/00,C12N1/21,C12N5/10,C12N9/88,C12Q1/68// PC
(C12N1/21,C12R1:19),(C12N5/10,C12R1:91),(C12N9/88,C12R1:19), PC
(C12N9/88,C12R1:91),C12N15/00,C12N5/00,(C12N5/00,C12R1:91) CC
FH Key Location/Qualifiers
FT CDS (1)..(1719).

FEATURES
source Location/Qualifiers
1..1762
/organism="Brassica napus"
/db_xref="taxon:3708"

BASE COUNT 435 a 384 c 459 g 479 t 5 others

ORIGIN

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1621 ggtgaagatg ttgagtttgg gtacgaagag tcaatggtga tggttcaagt gccttggtct
1681 gcaccagagg gtttgtcttc tattaagtat ttgttttaga gttatttaag gtgcttaatt
1741 gaaaaaaaaa aaaaaaaaaa aa
```

//

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LOCUS	AF073744	2569 bp	mRNA	linear	PLN 05-JAN-1999
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DEFINITION *Cucumis sativus* raffinose synthase (Rfs) mRNA, complete cds.

ACCESSION AF073744

VERSION AF073744.1 GI:4106394

KEYWORDS

SOURCE Cucumis sativus (cucumber)

ORGANISM *Cucumis sativus*

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids I; Cucurbitales; Cucurbitaceae; Cucumis.

REFERENCE 1 (bases 1 to 2569)

AUTHORS Ohsumi, C., Nozaki, J. and Kida, T.

TITLE Direct Submission

JOURNAL Submitted (22-JUN-1998) Central Research Laboratories, Aajinomoto Co. Inc., 1-1, Suzuki-cho, Kawasaki-ku, Kawasaki 210-8681, Japan

FEATURES	Location/Qualifiers
----------	---------------------

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gene 1..2569
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CDS          56..2410
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             /protein_id="AAD02832.1"
             /db_xref="GI:4106395"
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GSSKVVDAEFRSMPLYHAGDDPFALVKEAMKIVRTHLGTFRLLLEKTPPGIVDKFGWC
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TVSPVTKLIQTSLHFAPIGLVNMLNTSGAIQSDYDDDLSSVEIGVKCGCEMRVFASK
KPRACRIDGEDVGFKYDODOMVVVOVPWPRIIDSSSGGISVIEYLF"

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BASE COUNT	641 a	527 c	643 g	755 t	3 others
ORIGIN					

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181  tgttcctgag  aacattgttg  cttctccttc  tccgtacact  tcgatagaca  agtccccggt
241  ttcggttggt  tgctttgttg  gattcgacgc  gtcggaacct  gatagccgac  atgttgtttc
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901  tcttttgaaa  ttccaagaga  attacaaatt  ccgtgactac  gtcaatccca  aggccaccgg
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1921  aaaacgagtg  acatccaaaa  ctaacccaaa  agacatagaa  tggcacagtg  gagaaaacc
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2101  cactgtttca  ccagtgacca  aactcatcca  aacttctcta  cactttgcc  caattgggct
2161  ggtgaacatg  cttaacacta  gtggagccat  ccaatctgtg  gactatgacg  atgacctaa
2221  ctgagtcgag  attggtgtca  aagggtgtgg  tgagatgcga  gtatttgc  cgaaaaaacc
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2401  cttgttttaa  tttttattta  tgtaragctc  aatgattgtt  gttgtgtcg  ctgtgtgtgc
2461  tatcaatgta  tttctctcca  aaagaaaatt  atgtgtaatt  tggagagtaa  ttaagtgagt
2521  kaaattttaa  ataaractac  ttttaattat  ttatcaaaaa  aaaaaaaaa
```

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721 cgaggccgag ttcacgtaca aggacggcgt ggtcacccgt gacgtgccgt ggtcgggggc
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901 tacagctcta tcagtttact tttgtttttc tgctcttcgt tttttaagaa ttatttctat
961 tgtgtgaatt aatgagtgtc ttccttctaa aaa
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□ 1: E36417. Raffinose synthas...[gi:13019215]

Links

```

LOCUS       E36417                               2690 bp    DNA        linear        PAT 18-JUN-2001
DEFINITION  Raffinose synthase gene.
ACCESSION   E36417
VERSION     E36417.1   GI:13019215
KEYWORDS    JP 2000014389-A/1.
SOURCE      Brassica juncea
  ORGANISM  Brassica juncea
             Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
             Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
             Rosidae; eurosids II; Brassicales; Brassicaceae; Brassica.
REFERENCE   1 (bases 1 to 2690)
  AUTHORS   Eijiro,W. and Kenji,O.
  TITLE     Raffinose synthase gene
  JOURNAL   Patent: JP 2000014389-A 1 18-JAN-2000;
            SUMITOMO CHEM CO LTD
COMMENT     OS   Brassica juncea
            PN   JP 2000014389-A/1
            PD   18-JAN-2000
            PF   10-DEC-1998 JP 1998351246
            PR
            PI   EIJIRO WATANABE,KENJI OEDA
            PC   C12N15/09,A01H5/00,C12N1/21,C12N5/10,C12N9/88,C12Q1/68// PC
            (C12N1/21,C12R1:19) , (C12N5/10,C12R1:91) , (C12N9/88,C12R1:19) , PC
            (C12N9/88,C12R1:91),C12N15/00,C12N5/00,(C12N5/00,C12R1:91) CC
            FH   Key                               Location/Qualifiers
            FT   CDS                               (134)..(2467).

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FEATURES	Location/Qualifiers
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ORIGIN					

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421	catattccgt	ttcaaggttt	ggtggactac	tcactgggtc	ggttccaaag	gatccgacat
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2461 gtttttagagt ttccgaagggt gcttatttgt atccttctaa actccttaat tatgagctcc
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2581 tataattatt ggcttttaag tgatttgttt ttgaactgtt tttagtggtg taatttgtac
2641 tgccccatatt atttttcata tttatttgtg aaagataaaa aaaaaaaaaa

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